

PRELIMINARY PROGRAM

INF-ACT CONFERENCE 2025

One Health Basic and Translational Actions Addressing Unmet Needs on Emerging Infectious Diseases - "a step ahead"

3-5 April 2025 | Aula Magna G.Salvatore Campus AOU "Federico II", Naples

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**The conference will be preceded by Project Updates Sessions on 02.04.2025 and/or 3.04.2025.
Participation to those sessions is restricted to INF-ACT researchers**



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DAY 1 THURSDAY - 3rd APRIL 2025 (main language : ITALIAN)

13:30 – 14:30 REGISTRATION

14:30 – 15:30 OPENING CEREMONY

15:30 – 18:00 ROUND TABLES

Round tables with public and private stakeholders on the role and relevance of RRNP research and projects, Health Policies and implementation of One Health approaches

18:00– 19:00 Welcome Drink

DAY 2 FRIDAY – 4th APRIL 2025 (main language : ENGLISH)

Registration desk open from 8:30

9:00 – 9:45 KEYNOTE LECTURE I

- tba

9:45 – 11:15 SESSION I: ADVANCES IN -OMICS TECHNOLOGIES AND APPLICATIONS TO RESEARCH ON INFECTIOUS DISEASES

Chair: Davide Sassera (University of Pavia), Claudio Bandi (University of Milan)

-omics technologies are revolutionizing infectious disease research, offering unprecedented insights into pathogen biology, host-vector-pathogen interactions, and disease mechanisms and progression. This session will explore novel methods and applications of -omics techniques and bioinformatic analysis in diagnostics, therapeutics, and epidemiological studies to combat emerging infectious threats.

Presentations will be selected from abstract

11:15 – 12:30 Coffee break & Poster Session 1

12:30 – 13:15 SHORT PRESENTATIONS SELECTED FROM ABSTRACT

Chair: tba

Short presentation will be selected from abstract submitted by early stage researchers

13:15 – 14:45 Lunch & Networking

14:45 – 16:15 SESSION II: PESTICIDE AND ANTIBIOTIC RESISTANCES: SO DIFFERENT, SO SIMILAR

Chair: Daniele Porretta (University of Rome – La Sapienza), Dafne Bongiorno (University of Catania)

Resistance is a fundamental threat to controlling insect vectors and prokaryotic pathogens. Despite their diverse nature, insecticide and antibiotic resistance share several theoretical and biological elements. This session aims to bring together specialists from both sides who intend to learn from each other. Contributions relating to all aspects of resistance are welcomed, including monitoring, molecular mechanisms, eco-evolutionary drivers, and management approaches.

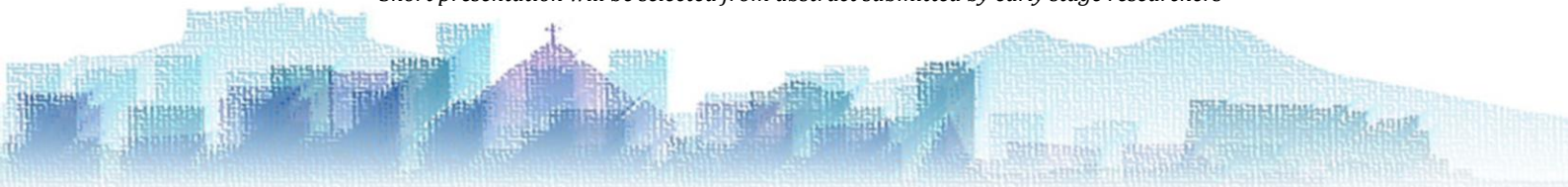
Presentations will be selected from abstract

16:15-17:45 Coffee break & Poster Session 2

17:45 -18:30 SHORT PRESENTATION SELECTED FROM ABSTRACT

Chair: tba

Short presentation will be selected from abstract submitted by early stage researchers



DAY 3 SATURDAY 5th APRIL 2025 (main language : ENGLISH)

Registration desk open from 8:30

9:00 – 9:45 KEYNOTE: ENTEROVIRUSES – HARMLESS FELLOW PASSENGERS OR NEXT DISEASE X?

Heli Harvala, MD, MSc, PhD, FRCPath, EUPHEM alumni, Professor of Virology at the Institute of Biomedicine, University of Turku, Finland, and Chief Physician, Medical Microbiology and Virology, Turku University Hospital, Finland.

9:45 – 11:15 SESSION III: FROM BENCH TO BEDSIDE AND VICEVERSA: INTERACTION BETWEEN BASIC RESEARCH, CLINICAL MANAGEMENT AND PUBLIC HEALTH TO PREVENT THE IMPACT OF INFECTIOUS THREATS

Chair: Alfredo Guarino (University of Naples, Federico II)

The session will focus on the main results obtained thus far in basic research as well as in the identification of new agents or their presentation, and public health measures such as new preventive and therapeutic options including vaccines, antibodies and anti-infectious drugs. There is a need for interactions between scientists to discuss common strategies based on the results obtained. Topics of interest included: new clinical threats in general and specific populations, novel options for prevention and treatment, pathways of pathogen-host interaction, new microbiologic agents and their identification.

Presentations will be selected from abstract

11:15 – 12:45 Coffee break & Poster Session 3

12:45 – 13:30 SHORT PRESENTATIONS SELECTED FROM ABSTRACT

Short presentation will be selected from abstract submitted by early stage researchers

13:30 – 14:30 Lunch & Networking

14:30 – 16:00 SESSION IV: INTEGRATING AI AND MODELING TO ENHANCE SURVEILLANCE, UNDERSTANDING, AND FORECASTING IN INFECTIOUS DISEASE

Chair: Piero Poletti (Fondazione Bruno Kessler), tbc

This session will explore the integration of artificial intelligence, innovative computational methods, statistical approaches, and mathematical modelling in infectious disease epidemiology. It will cover advances in outbreak prediction and forecasting, real-time analytics, and data-driven decision-making to enhance surveillance, intervention strategies, and public health outcomes, with an emphasis on translating cutting-edge methodologies into practical applications.

16:00 – 17:00 WRAP UP and CONCLUDING REMARKS

Federico Forneris (Fondazione INF-ACT) & the Spoke Leaders of the INF-ACT Research Program



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